

LABORATORY REQUEST  
NEENAH TECHNICAL CENTER

Restricted Distribution  
(First & Last Name-Location Code)

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BOD 011111

Tammy Fisher

|  |                                   |
|--|-----------------------------------|
| Requested by and Location<br><i>J. Zhang / NTC</i> | Request Date<br><i>[Redacted]</i> |
| End Use Application<br><i>Shrink Bag</i>           | Plant Location Code<br><i>240</i> |
| Project Number<br><i>LR-200</i>                    | Plant Order Number<br><i>-</i>    |
| Spec # or E# or ES#<br><i>E-15409-93</i>           | Customer<br><i>-</i>              |
| Process<br><i>Saran</i>                            | Competitor (CA only)<br><i>-</i>  |

Objective

*Dow CGCT Polymer Evaluation*

Sample Identification and Structures

|    |               |                   |    |                            |
|----|---------------|-------------------|----|----------------------------|
| V1 | Control       | 80/10/10          | in | sealing layer for 3 layers |
| V2 | Dow CGCT 2A37 |                   | in | "                          |
| V3 | 90/10         | 2A37/97.06        | in | "                          |
| V4 | 80/20         | " / "             | in | "                          |
| V5 | 80/10/10      | 97.06/318.96/2A37 | in | "                          |
| V6 | 70/20/10      | 97.06/2A37/31.92  | in | "                          |

Data Requested (Test Method and Conditions):

- \* puncture 6mm probe 1"/min rate, in to out
- Optics: → Haze, Gloss, Clarity
- \* MST @ 40psi, 1 sec. dwell
- \* Seal Strength (seal at ~~225°F~~ <sup>220°F</sup>, ~~225°F~~ <sup>240°F</sup>, 250°F and 265°F)
- Shrink/Frit at 200 and 180°F
- Impact, probe toward sealant
- Thickness / Layer Ratio

This information is to be used for internal  
ANCC R&D. It is not to be used for approval  
Sales or Customer. It is the property of  
of the manager of Analytical Laboratory.

ANALYTICAL LAB USE ONLY

|                                  |  |                                      |                                |
|----------------------------------|--|--------------------------------------|--------------------------------|
| Assigned to<br><i>Pat Griedl</i> | Notebook Reference<br><i>RD5465 p. 143-147</i> | Completion Date<br><i>[Redacted]</i> | Report Number<br><i>9029-3</i> |
|----------------------------------|--|--------------------------------------|--------------------------------|

fracture, I-nation, 6 m.m. prob, in to out, lbs.

|        |         |         |         |        |        |
|--------|---------|---------|---------|--------|--------|
| 1. 7.9 | 2. 11.6 | 3. 12.3 | 4. 13.6 | 5. 8.6 | 6. 8.6 |
| 8.3    | 12.2    | 13.8    | 13.0    | 9.1    | 9.4    |
| 8.8    | 11.0    | 13.6    | 12.0    | 8.5    | 8.5    |
| 8.3    | 11.0    | 12.9    | 11.3    | 9.5    | 9.5    |
| 7.8    | 12.3    | 13.9    | 12.4    | 9.4    | 8.4    |
| 8.2    | 11.1    | 13.9    | 12.8    | 8.8    | 8.4    |
| 8.2    | 11.5    | 13.4    | 12.5    | 9.0    | 8.8    |

Seal Curve, sealant to sealant, I-nation, 90° angle of separation, supported tail, sealed at various temperatures, 40 psig, 1 sec. dwell, 1" width.

| 1.          | 2. ⊕  | 3. ⊕  | 4. ⊕  | 5.   | 6.    |
|-------------|-------|-------|-------|------|-------|
| 225°F. 2.7  | Below | Below | Below | 3.3  |       |
| 2.2         | MST.  | MST.  | MST.  | 2.5  | Below |
| 2.4         | -     | -     | -     | 4.0  | MST.  |
| 3.5         | -     | -     | -     | 2.9  | -     |
| 2.3         | -     | -     | -     | 1.7  | -     |
| 2.6         | X     | X     | X     | 2.9  | X     |
| 240°F. 4.50 | 3.0   | 3.10  | 3.0   | 4.65 | 4.50  |
| 3.25        | 3.2   | 2.95  | 3.4   | 5.05 | 3.65  |
| 4.90        | 1.2   | 3.20  | 3.9   | 5.30 | 4.70  |
| 3.90        | 3.0   | 3.20  | 3.2   | 5.15 | 4.70  |
| 2.60        | 4.6   | -     | 4.3   | 5.15 | 4.70  |
| 3.8         | 3.0   | 3.1   | 3.6   | 5.1  | 4.4   |

|             |      |      |      |     |      |
|-------------|------|------|------|-----|------|
| 250°F. 4.60 | 2.60 | 5.40 | 4.25 | 5.4 | 4.25 |
| 5.05        | 2.45 | 5.70 | 4.65 | 5.5 | 4.65 |
| 4.80        | 2.70 | 3.95 | 3.50 | 5.0 | 4.60 |
| 5.10        | 3.25 | 4.10 | 5.40 | 4.8 | 4.60 |
| 4.45        | 2.90 | 3.20 | 4.30 | 5.1 | 5.30 |
| 4.8         | 2.8  | 4.5  | 4.4  | 5.2 | 4.8  |

|             |      |      |      |      |      |
|-------------|------|------|------|------|------|
| 265°F. 4.85 | 2.40 | 3.85 | 5.20 | 4.85 | 5.00 |
| 5.10        | 2.75 | 4.00 | 4.50 | 4.40 | 4.90 |
| 4.95        | 2.70 | 4.40 | 4.85 | 4.80 | 4.95 |
| 5.50        | 2.70 | 3.75 | 4.70 | 4.80 | 4.70 |
| 4.55        | 3.25 | 4.00 | 4.55 | 4.40 | 4.80 |
| 5.0         | 2.8  | 4.0  | 4.8  | 4.60 | 4.9  |

W = Weld type seal; Packer than film tear-off at the seal.

② Numbers 2, 3 & 4 were extremely curly toward the sealant side which made it very difficult to produce the 1" wide seal.

9029.3.

minimum Seal Temperature,  
textured sealer, 40 psig, 1 sec. dwell,  
minimum temperature required to  
produce a good seal, °F.

Thickness, TMI, mils.

1. 2.06 2. 2.23

2.05 1.96

2.34 2.08

2.16 2.47

2.03 2.36

2.10 2.45

2.12 2.26

1. 225

2. 240

3. 240

4. 240

5. 225

6. 230

3. 2.63 4. 2.48

2.61 2.60

2.65 2.21

2.54 2.42

2.70 2.41

2.77 2.41

2.65 2.42

Here, 70.

1. 7.31 2. 5.35 3. 6.75 4. 4.88 5. 5.90 6. 5.71

7.19 5.66 8.80 5.91 5.51 5.70

6.87 5.65 7.71 7.54 4.63 4.87

7.88 5.75 6.99 6.03 5.62 4.95

6.85 6.07 6.19 6.18 5.80 6.62

6.46 5.85 7.32 5.86 5.70 5.91

7.1 5.7 7.3 6.1 5.5 5.6

5.237 6.225

2.22 2.11

2.23 2.05

2.11 2.07

2.17 2.26

2.29 2.19

2.23 2.15

Gloss, 45° angle, outside, units.

1. 66.7 2. 74.8 3. 66.5 4. 75.5 5. 73.6 6. 73.3

64.5 75.9 66.7 68.9 76.2 72.5

67.0 72.6 65.0 73.4 76.9 74.5

64.2 75.5 73.8 74.3 73.6 73.5

70.0 78.6 75.0 73.9 73.1 68.4

69.2 78.2 70.3 73.1 74.4 72.6

66.9 75.9 69.5 73.2 74.6 72.4

Clarity, 70.

1. 54.4 2. 54.8 3. 19.0 4. 44.4 5. 57.8 6. 57.6

55.6 39.2 48.8 44.0 48.4 45.6

61.6 47.8 46.4 48.8 46.2 66.0

52.4 6.4 57.0 64.6 53.4 65.0

57.4 50.2 44.2 52.4 48.0 56.8

63.2 55.0 17.0 44.8 60.4 63.0

57.4 42.2 38.7 49.8 52.4 59.0

9029-3.

| Temperature,<br>° F. | Sample | Specimen | Thickness,<br>mils | % Shrink |        |
|----------------------|--------|----------|--------------------|----------|--------|
|                      |        |          |                    | M.D.     | C.M.D. |
| 180°F.               | 1      | 1        | 1.99               | 10       | 28     |
|                      |        | 2        | 2.01               | 13       | 29     |
|                      |        | 3        | 2.10               | 12       | 27     |
|                      | 2      | 1        | 2.00               | 16       | 31     |
|                      |        | 2        | 2.12               | 16       | 30     |
|                      |        | 3        | 2.35               | 16       | 31     |
|                      | 3      | 1        | 2.31               | 18       | 26     |
|                      |        | 2        | 2.40               | 18       | 28     |
|                      |        | 3        | 2.40               | 19       | 27     |
|                      | 4      | 1        | 2.06               | 19       | 29     |
|                      |        | 2        | 2.19               | 19       | 28     |
|                      |        | 3        | 2.24               | 20       | 28     |
|                      | 5      | 1        | 2.12               | 11       | 25     |
|                      |        | 2        | 2.21               | 13       | 26     |
|                      |        | 3        | 2.34               | 12       | 25     |
|                      | 6      | 1        | 2.02               | 13       | 26     |
|                      |        | 2        | 2.17               | 12       | 26     |
|                      |        | 3        | 2.20               | 12       | 25     |

| Temperature,<br>° F. | Sample | Specimen | Thickness,<br>mils | Shrinkage |        |
|----------------------|--------|----------|--------------------|-----------|--------|
|                      |        |          |                    | M.D.      | C.M.D. |
| 9629-3.<br>200°F.    | 1      | 1        | 1.96               | 35        | 53     |
|                      |        | 2        | 1.98               | 33        | 54     |
|                      |        | 3        | 2.18               | 36        | 54     |
|                      | 2      | 1        | 1.98               | 31        | 54     |
|                      |        | 2        | 2.28               | 29        | 52     |
|                      |        | 3        | 2.37               | 32        | 52     |
|                      | 3      | 1        | 2.23               | 40        | 53     |
|                      |        | 2        | 2.32               | 37        | 52     |
|                      |        | 3        | 2.42               | 37        | 53     |
|                      | 4      | 1        | 2.02               | 38        | 51     |
|                      |        | 2        | 2.14               | 38        | 52     |
|                      |        | 3        | 2.33               | 38        | 52     |
|                      | 5      | 1        | 2.07               | 33        | 52     |
|                      |        | 2        | 2.13               | 35        | 53     |
|                      |        | 3        | 2.30               | 34        | 52     |
|                      | 6      | 1        | 2.09               | 34        | 52     |
|                      |        | 2        | 2.11               | 34        | 52     |
|                      |        | 3        | 2.18               | 37        | 55     |

## E. A. I. T Sys Em

DISK FILE = STATISTICS DATA  
 OPERATOR = PLG  
 MATERIAL ID = V-1  
 SAMPLE ID = V1

09:55:18

LOAD CELL = 500-3933  
 TUP RADIUS = 0.750 in  
 DART WEIGHT = 35.00 lb

COMMENT = ZHENG  
 RUN COMMENT = Probe toward sealant (in)

TEMPERATURE = 73 °F

| TEST       | PEAK LOAD |      |       | PEAK  |       | ZERO  |       | TOTAL |   |
|------------|-----------|------|-------|-------|-------|-------|-------|-------|---|
|            | D         | L    | E     | D     | E     | D     | E     | D     | E |
| 9029-3.S01 | 1.240     | 39.7 | 2.33  | 0.185 | 0.39  | 1.425 | 2.73  |       |   |
| 9029-3.S02 | 1.425     | 39.7 | 2.94  | 0.100 | 0.17  | 1.525 | 3.11  |       |   |
| 9029-3.S03 | 1.105     | 39.0 | 2.03  | 0.490 | 0.92  | 1.595 | 2.95  |       |   |
| 9029-3.S04 | 1.420     | 38.8 | 2.75  | 0.130 | 0.37  | 1.550 | 3.13  |       |   |
| 9029-3.S05 | 1.190     | 36.4 | 2.11  | 0.310 | 0.91  | 1.500 | 3.02  |       |   |
| 9029-3.S06 | 1.415     | 41.4 | 2.94  | 0.350 | 1.13  | 1.765 | 4.06  |       |   |
| AVG        | 1.299     | 39.2 | 2.52  | 0.261 | 0.65  | 1.560 | 3.17  |       |   |
| STD DEV    | 0.139     | 1.6  | 0.41  | 0.15  | 0.38  | 0.12  | 0.46  |       |   |
| COEF VAR   | 10.72     | 4.1  | 16.31 | 57.28 | 59.02 | 7.39  | 14.61 |       |   |

## E. A. I. T System

DISK FILE = STATISTICS DATA  
 OPERATOR = PLG  
 MATERIAL ID = V-2  
 SAMPLE ID = V2

02-23-1993 10:08:12

LOAD CELL = 500-3933  
 TUP RADIUS = 0.750 in  
 DART WEIGHT = 35.00 lb

COMMENT = ZHENG  
 RUN COMMENT = Probe toward sealant (in)

TEMPERATURE = 73 °F

| TEST       | PEAK LOAD |       |       | PEAK   |        | ZERO  |       | TOTAL |   |
|------------|-----------|-------|-------|--------|--------|-------|-------|-------|---|
|            | D         | L     | E     | D      | E      | D     | E     | D     | E |
| 9029-3.S01 | 1.840     | 70.5  | 5.93  | 0.035  | 0.13   | 1.875 | 6.06  |       |   |
| 9029-3.S02 | 1.710     | 59.8  | 5.13  | 0.035  | 0.09   | 1.745 | 5.22  |       |   |
| 9029-3.S03 | 2.150     | 66.7  | 6.67  | 0.035  | 0.14   | 2.185 | 6.82  |       |   |
| 9029-3.S04 | 2.160     | 66.9  | 6.46  | 0.015  | 0.04   | 2.175 | 6.50  |       |   |
| 9029-3.S05 | 0.005     | 213.3 | 0.09  | 0.140  | 2.40   | 0.145 | 2.49  |       |   |
| 9029-3.S06 | 2.170     | 71.2  | 7.13  | 0.015  | 0.03   | 2.185 | 7.16  |       |   |
| AVG        | 1.673     | 91.4  | 5.23  | 0.046  | 0.47   | 1.718 | 5.71  |       |   |
| STD DEV    | 0.839     | 59.8  | 2.61  | 0.05   | 0.94   | 0.79  | 1.71  |       |   |
| COEF VAR   | 50.19     | 65.4  | 49.90 | 102.90 | 199.45 | 46.15 | 30.04 |       |   |

## E. A. I. T System

DISK FILE = STATISTICS DATA  
 OPERATOR = PLG  
 MATERIAL ID = V-3  
 SAMPLE ID = V3

02-23-1993 10:24:09

LOAD CELL = 500-3933  
 TUP RADIUS = 0.750 in  
 DART WEIGHT = 35.00 lbs

COMMENT = ZHENG  
 RUN COMMENT = Probe toward sealant (in)

TEMPERATURE = 73 °F

| TEST       | PEAK LOAD |      |       | PEAK  |       | ZERO  |       | TOTAL |   |
|------------|-----------|------|-------|-------|-------|-------|-------|-------|---|
|            | D         | L    | E     | D     | E     | D     | E     | D     | E |
| 9029-3.S01 | 2.395     | 93.7 | 9.94  | 0.030 | 0.12  | 2.425 | 10.06 |       |   |
| 9029-3.S02 | 2.315     | 85.4 | 9.39  | 0.035 | 0.17  | 2.350 | 9.56  |       |   |
| 9029-3.S03 | 2.320     | 85.6 | 8.59  | 0.050 | 0.24  | 2.370 | 8.83  |       |   |
| 9029-3.S04 | 2.305     | 84.9 | 8.97  | 0.025 | 0.09  | 2.330 | 9.06  |       |   |
| 9029-3.S05 | 1.885     | 81.6 | 6.90  | 0.040 | 0.17  | 1.925 | 7.07  |       |   |
| 9029-3.S06 | 2.170     | 91.1 | 8.98  | 0.030 | 0.11  | 2.200 | 9.09  |       |   |
| AVG        | 2.232     | 87.0 | 8.79  | 0.035 | 0.15  | 2.267 | 8.95  |       |   |
| STD DEV    | 0.185     | 4.4  | 1.03  | 0.01  | 0.06  | 0.18  | 1.02  |       |   |
| COEF VAR   | 8.28      | 5.1  | 11.77 | 25.56 | 36.07 | 8.08  | 11.38 |       |   |

Best Available Copy

DISK FILE =  
OPERATOR =  
MATERIAL ID =  
SAMPLE ID =

STATISTICS DATA

PLG

V-4

V4

COMMENT =  
RUN COMMENT =

ZHENG

Probe toward sealant (in.)

System

LOAD CELL=  
TUP RADIUS=  
DART WEIGHT=

10:34

500-3933

0.750 in

35.00 lbs

TEMPERATURE=

73 °F

| TEST       | D     | @PEAK<br>L | LOAD<br>E | PEAK<br>D | ---><br>ZERO<br>E | TOTAL<br>D | TOTAL<br>E |
|------------|-------|------------|-----------|-----------|-------------------|------------|------------|
| 9029-3.S01 | 2.175 | 79.2       | 8.14      | 0.040     | 0.19              | 2.215      | 8.33       |
| 9029-3.S02 | 2.325 | 78.5       | 8.47      | 0.035     | 0.14              | 2.360      | 8.61       |
| 9029-3.S03 | 2.045 | 74.7       | 7.16      | 0.025     | 0.11              | 2.070      | 7.27       |
| 9029-3.S04 | 2.195 | 80.6       | 7.96      | 0.045     | 0.25              | 2.240      | 8.21       |
| 9029-3.S05 | 1.690 | 64.6       | 4.98      | 0.040     | 0.10              | 1.730      | 5.08       |
| 9029-3.S06 | 2.230 | 78.8       | 8.04      | 0.040     | 0.16              | 2.270      | 8.20       |
| AVG        | 2.110 | 76.1       | 7.46      | 0.037     | 0.16              | 2.148      | 7.62       |
| STD DEV    | 0.225 | 5.9        | 1.29      | 0.01      | 0.06              | 0.23       | 1.32       |
| COEF VAR   | 10.65 | 7.8        | 17.27     | 18.38     | 36.35             | 10.49      | 17.36      |

E. A. I. T System

DISK FILE =  
OPERATOR =  
MATERIAL ID =  
SAMPLE ID =

STATISTICS DATA

PLG

V-5

V5

COMMENT =  
RUN COMMENT =

ZHENG

Probe toward sealant (in.)

02-23-1993

10:44:32

LOAD CELL=

500-3933

TUP RADIUS=

0.750 in

DART WEIGHT=

35.00 lbs

TEMPERATURE=

73 °F

| TEST       | D     | @PEAK<br>L | LOAD<br>E | PEAK<br>D | ---><br>ZERO<br>E | TOTAL<br>D | TOTAL<br>E |
|------------|-------|------------|-----------|-----------|-------------------|------------|------------|
| 9029-3.S01 | 1.740 | 44.5       | 4.14      | 0.055     | 0.16              | 1.795      | 4.29       |
| 9029-3.S02 | 1.270 | 52.0       | 2.92      | 0.150     | 0.49              | 1.420      | 3.41       |
| 9029-3.S03 | 1.445 | 48.2       | 3.35      | 0.045     | 0.11              | 1.490      | 3.47       |
| 9029-3.S04 | 1.615 | 45.6       | 3.71      | 0.100     | 0.29              | 1.715      | 4.00       |
| 9029-3.S05 | 1.655 | 46.8       | 3.92      | 0.045     | 0.11              | 1.700      | 4.03       |
| 9029-3.S06 | 1.395 | 43.5       | 2.90      | 0.105     | 0.24              | 1.500      | 3.14       |
| AVG        | 1.520 | 46.8       | 3.49      | 0.083     | 0.23              | 1.603      | 3.72       |
| STD DEV    | 0.179 | 3.0        | 0.52      | 0.04      | 0.14              | 0.15       | 0.45       |
| COEF VAR   | 11.75 | 6.5        | 14.83     | 50.72     | 62.06             | 9.49       | 12.00      |

E. A. I. T System

DISK FILE =  
OPERATOR =  
MATERIAL ID =  
SAMPLE ID =

STATISTICS DATA

PLG

V-6

V6

COMMENT =  
RUN COMMENT =

ZHENG

Probe toward sealant (in.)

02-23-1993

10:51:12

LOAD CELL=

500-3933

TUP RADIUS=

0.750 in

DART WEIGHT=

35.00 lbs

TEMPERATURE=

73 °F

| TEST       | D     | @PEAK<br>L | LOAD<br>E | PEAK<br>D | ---><br>ZERO<br>E | TOTAL<br>D | TOTAL<br>E |
|------------|-------|------------|-----------|-----------|-------------------|------------|------------|
| 9029-3.S01 | 1.410 | 42.6       | 2.98      | 0.365     | 1.23              | 1.775      | 4.21       |
| 9029-3.S02 | 1.535 | 41.6       | 3.26      | 0.350     | 1.15              | 1.885      | 4.41       |
| 9029-3.S03 | 1.500 | 45.6       | 3.65      | 0.255     | 0.91              | 1.755      | 4.56       |
| 9029-3.S04 | 1.610 | 48.5       | 3.87      | 0.035     | 0.07              | 1.645      | 3.95       |
| 9029-3.S05 | 1.460 | 47.3       | 3.41      | 0.085     | 0.26              | 1.545      | 3.66       |
| 9029-3.S06 | 1.635 | 44.5       | 3.83      | 0.100     | 0.32              | 1.735      | 4.15       |
| AVG        | 1.525 | 45.0       | 3.50      | 0.198     | 0.66              | 1.723      | 4.16       |
| STD DEV    | 0.087 | 2.6        | 0.35      | 0.14      | 0.50              | 0.12       | 0.32       |
| COEF VAR   | 5.68  | 5.9        | 9.97      | 72.43     | 76.11             | 6.76       | 7.69       |

9029-3.

Layer Thickness, microscope, mil.

|         | out | core | in   | total |
|---------|-----|------|------|-------|
| 1.      | .52 | .38  | 1.18 | 2.18  |
|         | .61 | .36  | 1.09 | 2.06  |
|         | .60 | .38  | 1.28 | 2.26  |
|         | .47 | .42  | 1.21 | 2.10  |
|         | .51 | .47  | 1.07 | 2.05  |
| Average | .54 | .40  | 1.17 | 2.11  |

|         |     |     |      |      |
|---------|-----|-----|------|------|
| 2.      | .94 | .43 | .86  | 2.23 |
|         | .73 | .31 | .95  | 1.99 |
|         | .74 | .40 | .89  | 2.03 |
|         | .64 | .53 | 1.01 | 2.18 |
|         | .65 | .59 | .88  | 2.12 |
|         | .79 | .57 | .97  | 2.33 |
| Average | .75 | .47 | .93  | 2.15 |

|         |     |     |      |      |
|---------|-----|-----|------|------|
| 3.      | .90 | .47 | 1.08 | 2.45 |
|         | .78 | .44 | 1.02 | 2.24 |
|         | .73 | .46 | 1.26 | 2.45 |
|         | .61 | .47 | 1.25 | 2.33 |
|         | .59 | .58 | 1.24 | 2.41 |
|         | .73 | .55 | 1.18 | 2.46 |
| Average | .72 | .49 | 1.17 | 2.38 |

|         |     |     |      |      |
|---------|-----|-----|------|------|
| 4.      | .72 | .49 | 1.05 | 2.26 |
|         | .58 | .51 | 1.25 | 2.34 |
|         | .62 | .43 | 1.22 | 2.27 |
|         | .68 | .45 | 1.29 | 2.42 |
|         | .66 | .42 | 1.07 | 2.15 |
|         | .76 | .38 | 1.03 | 2.17 |
| Average | .67 | .45 | 1.15 | 2.27 |



9029-

|         | net | core | in   | total |
|---------|-----|------|------|-------|
| 5.      | .70 | .33  | 1.35 | 2.38  |
|         | .61 | .30  | 1.20 | 2.11  |
|         | .55 | .40  | 1.18 | 2.13  |
|         | .72 | .42  | 1.28 | 2.42  |
|         | .47 | .45  | 1.08 | 2.00  |
|         | .59 | .43  | 1.16 | 2.15  |
| Average | .61 | .39  | 1.21 | 2.21  |
| 6.      | .63 | .43  | 1.12 | 2.18  |
|         | .52 | .46  | 1.16 | 2.14  |
|         | .45 | .35  | 1.27 | 2.07  |
|         | .60 | .35  | 1.21 | 2.16  |
|         | .62 | .45  | 1.17 | 2.24  |
|         | .65 | .44  | 1.24 | 2.33  |
| Average | .58 | .41  | 1.19 | 2.18  |